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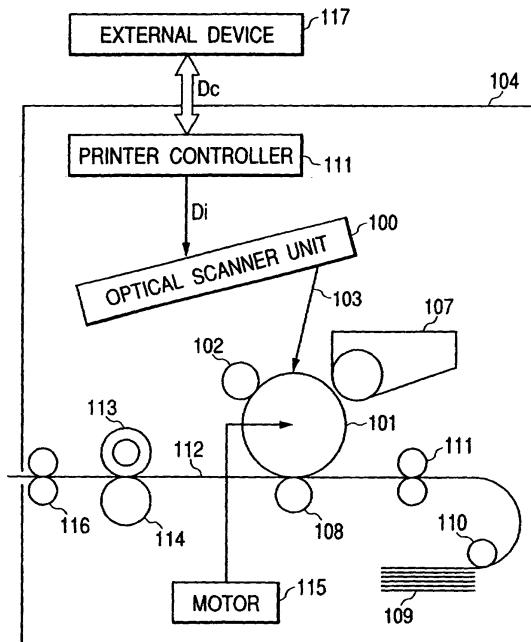
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### (54) Image forming apparatus

(57) An image forming apparatus comprises a light source such as a semiconductor laser for emitting a light beam modulated according to an image signal, an optical deflector such as a rotary polygon mirror for repeatedly deflecting the light beam, a focusing optical system typically including an f0 lens and a cylindrical mirror for focusing the deflected light beam, a photosensitive member having a surface to be scanned by the focused light beam for forming a latent image thereon and a developing unit for developing the latent image into a toner image. The surface of the photosensitive member has an image forming region and blank regions arranged at the opposite ends of the image forming region in the main scanning direction and the light source is turned on during the period of scanning the blank regions. The output power of the light source is controlled by detecting the intensity of the light beam scanning the blank regions.

FIG. 3





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TECHNICAL FIELDS SEARCHED (Int.Cl.7)		
H04N G06K G03G		
The present search report has been drawn up for all claims		
Place of search	Date of completion of the search	Examiner
MUNICH	1 October 2003	Moorhouse, D
CATEGORY OF CITED DOCUMENTS		
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document		

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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